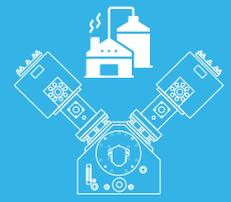
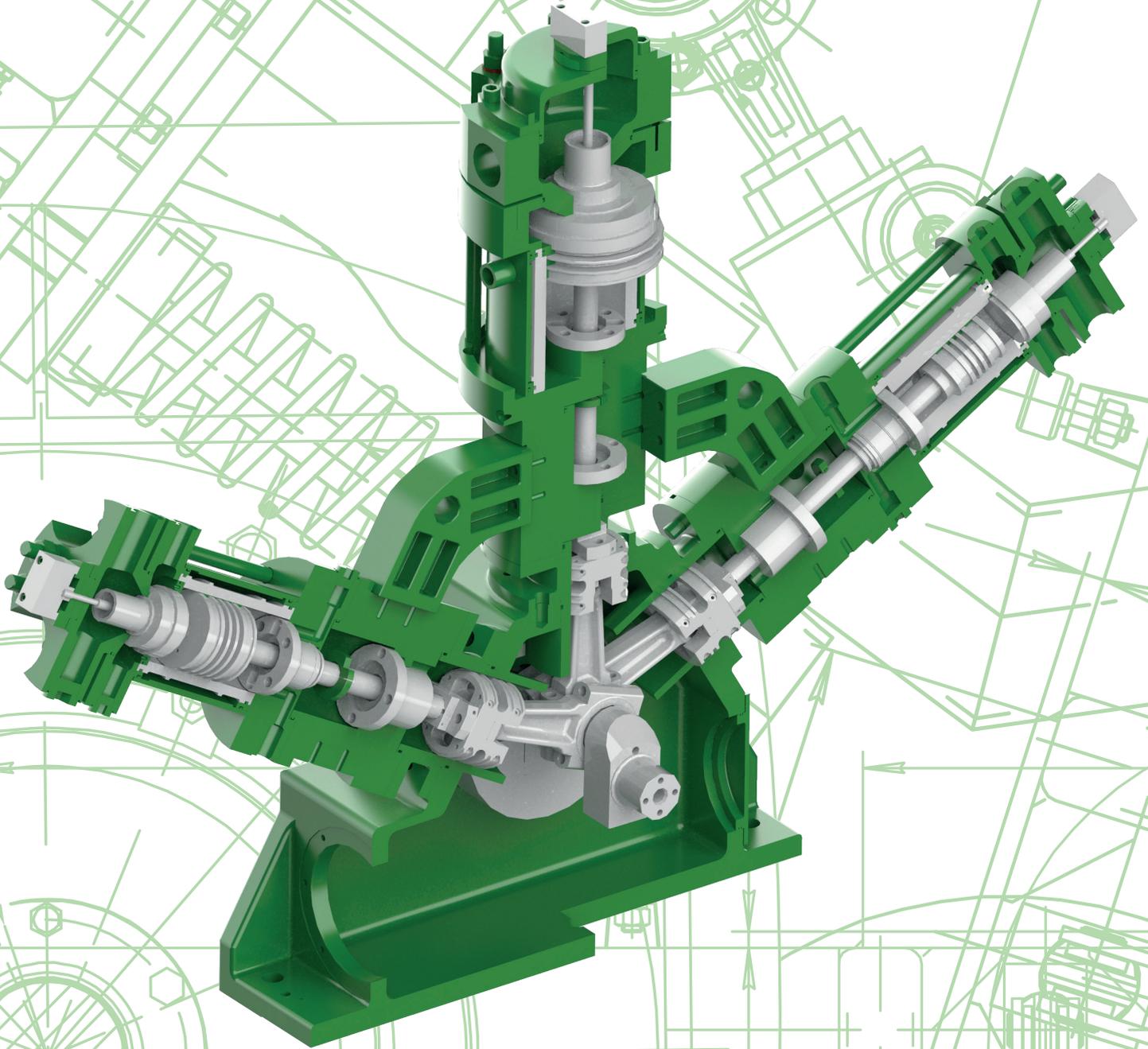




**FORNOVOGAS**  
WE MOVE ENERGY



**BIOGAS**



**GREEN ENERGY EXCELLENCE**

# EUROPEAN LEADER IN BIOGAS AND BIOMETHANE COMPRESSION

MORE THAN 200 COMPRESSORS ALREADY OPERATIONAL IN BIOMETHANE PRODUCTION PLANT IN EUROPE



2005 FORNOVO GAS supplied the first compressor in a BIONGV plant in Iceland.

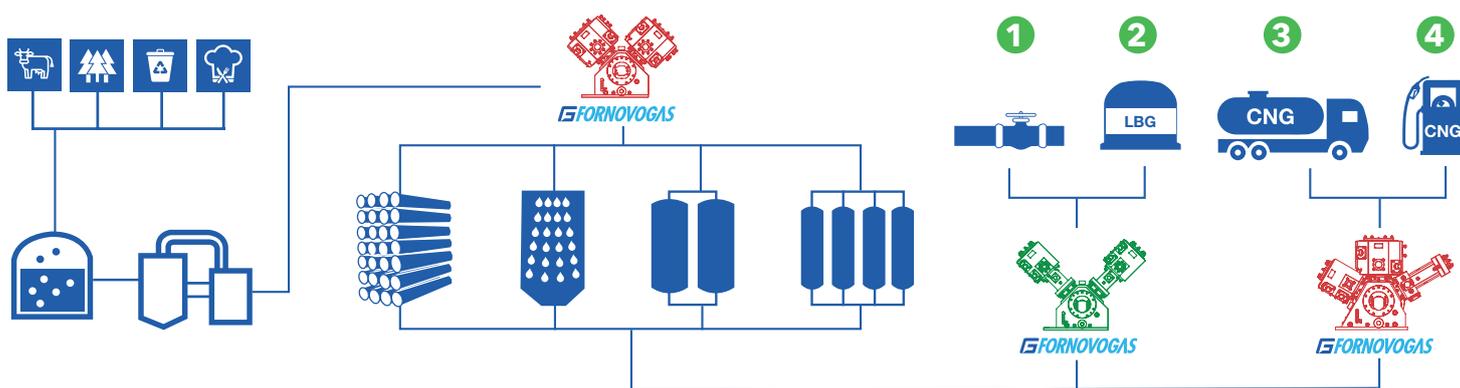
2009 FORNOVO GAS supplied the first OIL FREE compressor in a biogas plant in Germany to inject biomethane into the grid.

2010 FORNOVO GAS supplied the first compressor in a biogas plant in Sweden to compress raw biogas.

2018 FORNOVO GAS supplies the first compressor in Italy to liquefy Biomethane.

2019 FORNOVO GAS won an important international tender to become the exclusive supplier of the Danish government of OIL FREE compressors for biomethane direct injection into the national grid.

## OUR APPLICATIONS



### 1 BIOMETHANE GRID INJECTION

Biomethane is injected directly into the regional grid with outlet pressure from 16 to 40 bar or into the main gas transmission grid with outlet pressure from 41 to 100 bar.

### 2 BIOMETHANE LIQUEFACTION PLANT

Biomethane is compressed to 15, 20, 30 or 40 bar and liquefied at  $-160^{\circ}\text{C}$  through a cryogenic heat exchanger. The LBG product is finally stored in a cryogenic vessel.

### 3 BIOCNG MOTHER STATION

Biomethane is compressed to 250 or 300 bar and transported by tube trailer to be sold for industrial uses.

### 4 BIONGV STATION

Biomethane is compressed to 250 or 300 bar to refill public or private fleets of vehicles that run on natural gas (NGVs).

# DA500

POWER UP TO 1200 kW

THE RANGE OF RECIPROCATING COMPRESSORS

## COMPRESSOR FEATURES

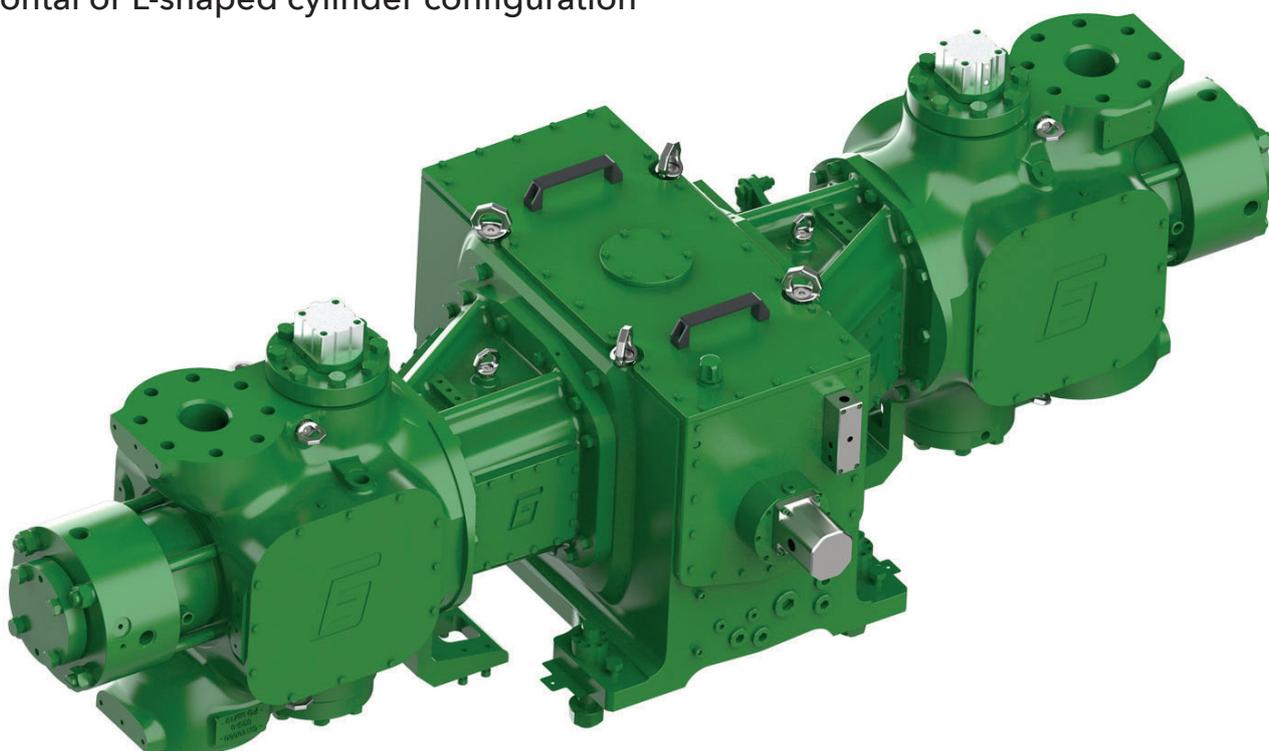
Reciprocating compressor with oil free cylinders

Speed range: 500 - 1800 rpm

Wide range of cylinders

Water or air cooling for all cylinders

Horizontal or L-shaped cylinder configuration



Power rated:

DA 500 / 2 500 kW

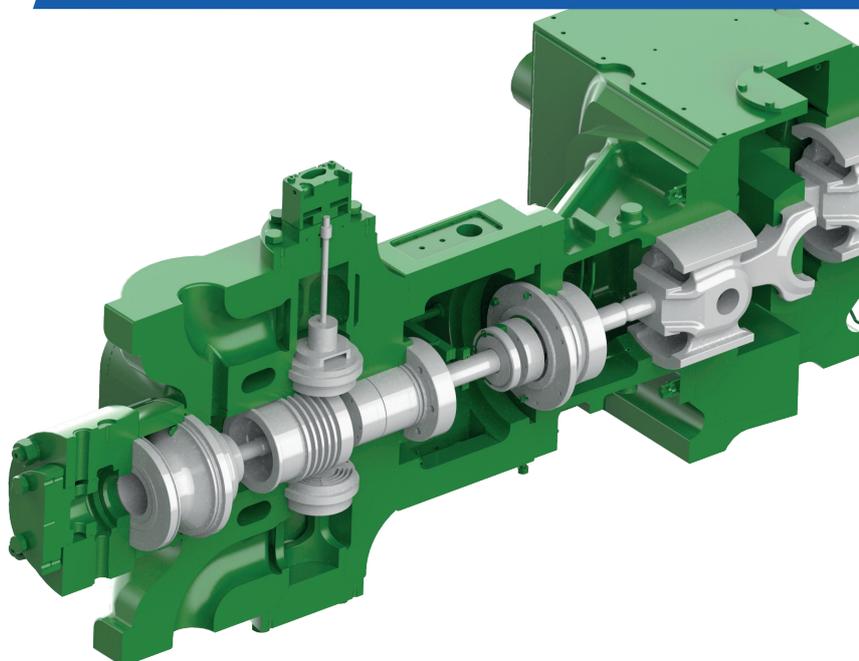
DA 500/ 4 1200 KW

3 strokes: 80 mm; 90 mm; 110 mm.

Compact layout (optimized space and ease of maintenance)

Minimal vibrations thanks to an optimally balanced compressor

**OIL FREE CONFIGURATION -DISTANCE PIECE TYPE B  
ACCORDING TO API618**



MADE IN ITALY



# DA300

POWER UP TO 400 kW



## COMPRESSOR FEATURES

Reciprocating compressors with oil free cylinders

Speed range: 500 - 1800 rpm

Wide range of cylinders and bores available

Water or Air-cooling capabilities on all cylinders

Available in 2 or 3 cylinders configurations or for special 4, 5 or 6 cylinders applications (TANDEM)

Compact layout (optimized space and easy maintenance)

Direct coupling motor - compressor

Innovative pistons and seals compared to industry standards

Minimal vibrations thanks to a perfectly balanced compressor



# SA200

POWER UP TO 55 kW

# SA50

*GAS RECOVERY COMPRESSOR*

## **COMPRESSOR FEATURES**

Fully autonomous gas compression system  
with electric motor control

OIL LESS reciprocating compressor

Available in 2 or 3 phases version

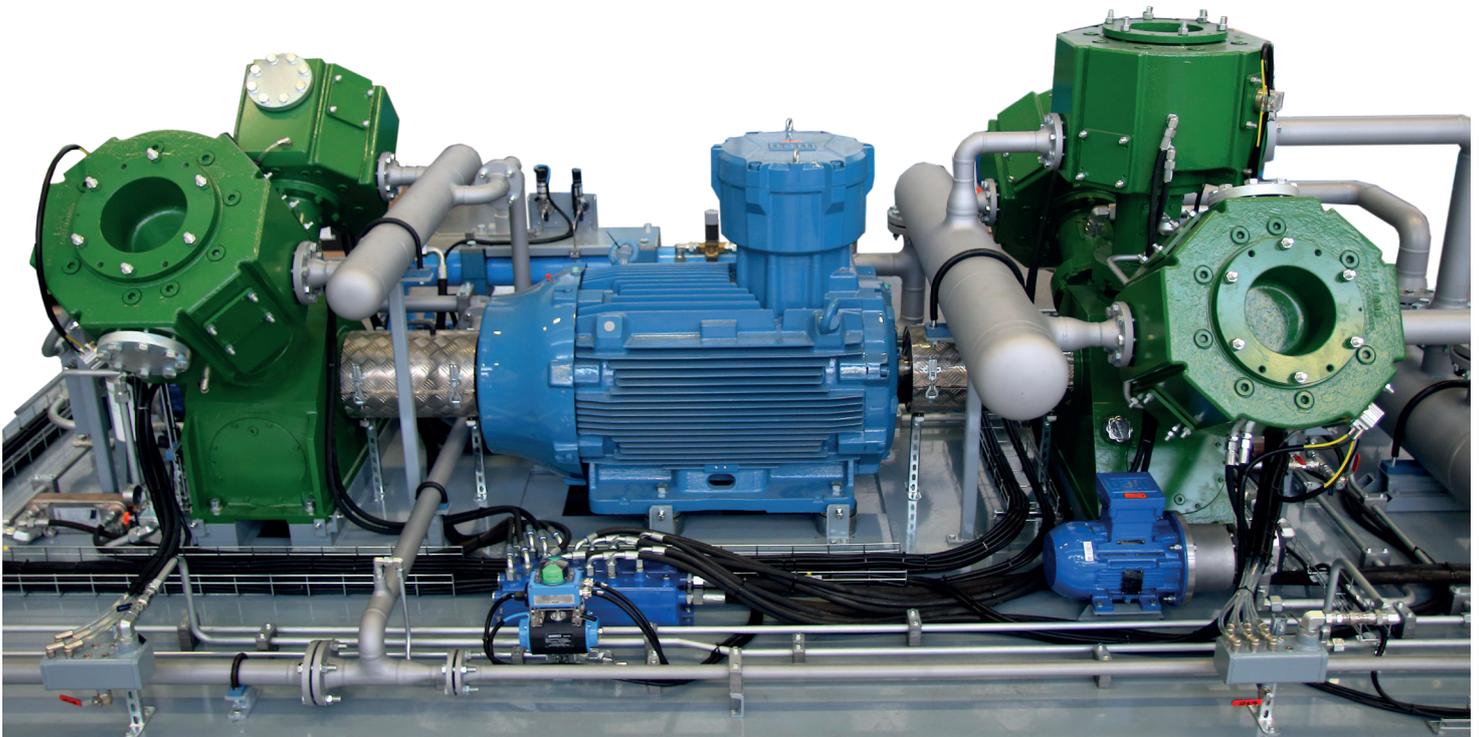
No risk of gas contamination

Minimum maintenance, high efficiency



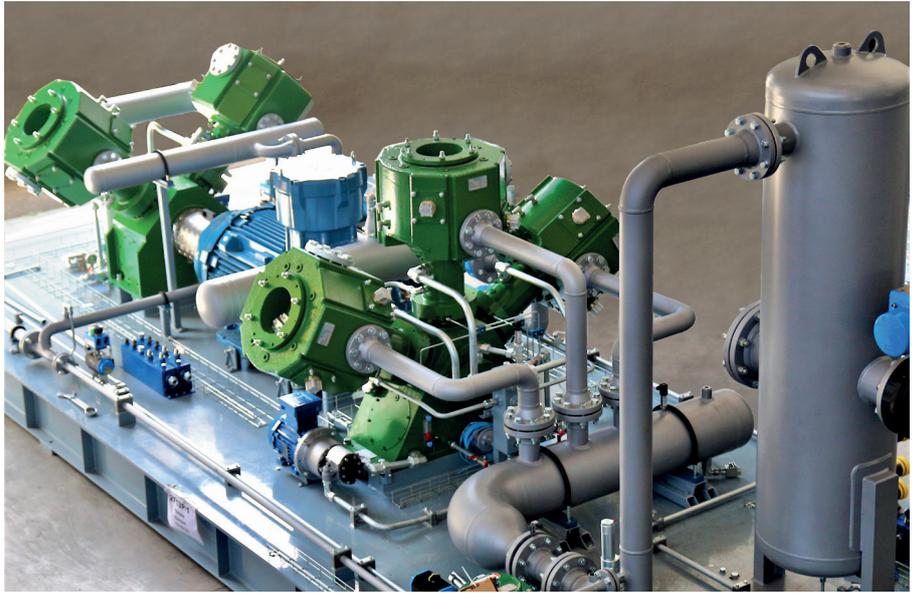
# DA300 TANDEM

*LIQUEFACTION SKID COMPRESSORS*



# INSTALLATION

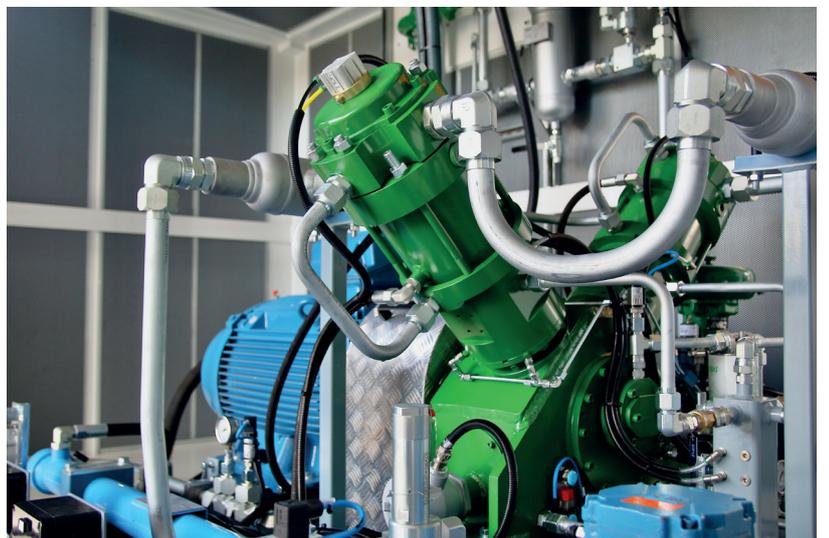
GASVECTOR UNIT EQUIPPED WITH  
DA300 TANDEM 5 CYLINDERS  
COMPRESSOR FOR LIQUEFACTION  
PLANT IN ITALY



MULTIPLE GASVECTOR UNIT  
EQUIPPED WITH DA300 3 CYLINDERS  
COMPRESSOR FOR BIOGNG PLANT IN  
THE UK



GASVECTOR UNIT EQUIPPED WITH  
2 CYLINDERS  
SA200 COMPRESSOR FOR GRID  
INJECTION SYSTEM IN FRANCE

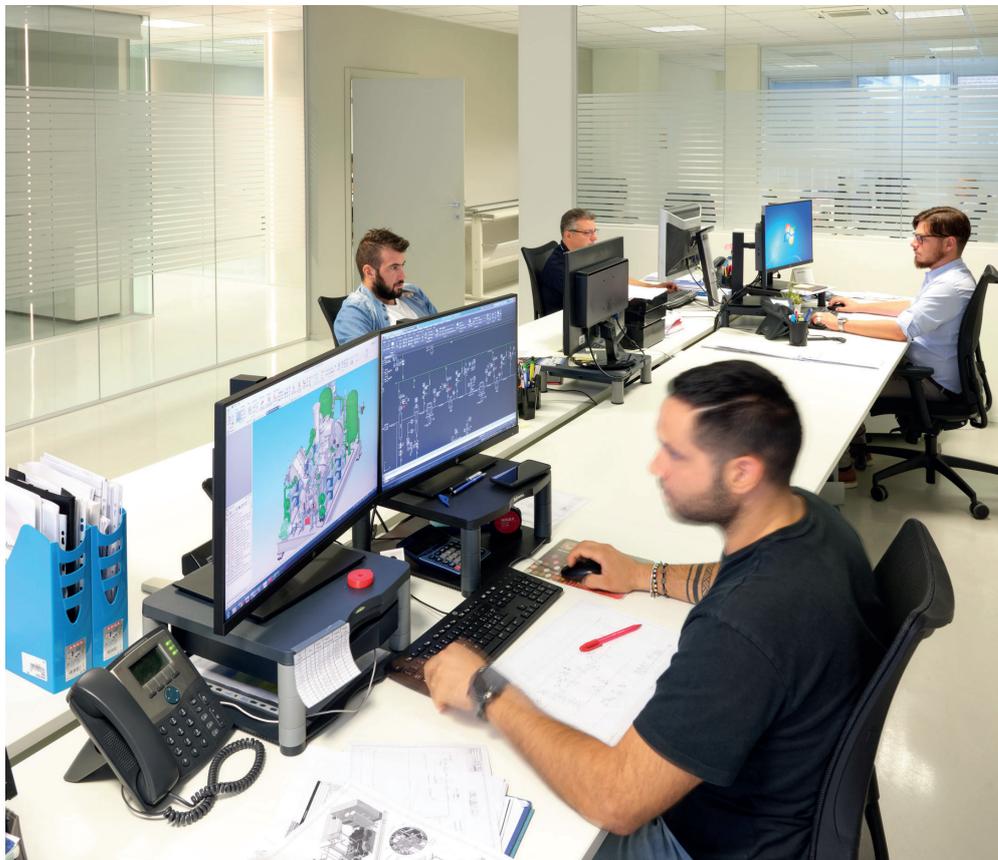


# OUR SERVICE



The Technical Service of Fornovo Gas in close collaboration with the Engineering Department is able to offer customers technical answers for the immediate solution of problems.

We are attentive to a strict control of the Quality of our products and to guarantee the customer a punctual, efficient and competent technical assistance.



## OUR ACTIVITIES

Maintaining perfect compressor efficiency has an impact on reducing the running costs of the compressors themselves during the total working cycle of the product.

This is why at Fornovo Gas we partner with our customers for:

- Commissioning & start up**
- On-site assistance**
- Predictive maintenance - Diagnostics**
- Special maintenance**
- Technical training**
- Engineering services**

# **FORNOVOGAS**

**WE MOVE GREEN ENERGY**



**ALWAYS BY YOUR SIDE**

**FORNOVO GAS S.P.A.**

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